

ABSTRACT

A fuel cell system in accordance with the present invention comprises a fuel cell connected to a load for supplying power thereto; a voltage regulating unit connected between the fuel cell and the load for controlling a voltage between the terminals of the load; a rectifier, which is connected to the fuel cell side from the connection portion with the voltage regulating unit, and which is between the fuel cell and the load, for preventing the reverse flow of a fuel cell current; and a current sensor for detecting a fuel cell current. This fuel cell system detects the output of the current sensor after the voltage between the terminals of the load has been raised by the voltage regulating unit and determines the correction value of the fuel cell current detected with the current sensor based on the detected current sensor output.